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## (54) OLIGONUCLEOTIDE FOR DETECTING ENTEROTOXIGENIC E.COLI AND ITS USE

(57)Abstract:
PURPOSE: To provide a new oligonucleotide having a specific nucleic acid sequence or its complimentary chain, capable of easily and quickly detecting enterotoxigenic E.coli producing heat-resistant enterotoxin in high detection sensitivity and useful e.g. for the diagnosis of diarrhea, etc.
CONSTITUTION: This new oligonucleotide for the detection of enterotoxigenic E.coli contains the nucleic acid sequence expressed by the formula, etc., or its complementary chain and is capable of directly, easily, quickly and surely detecting an enterotoxigenic E.coli producing a heat-resistant enterotoxin in high detection sensitivity and useful for the diagnosis of diarrhea, etc., by labeling. These oligonucleotides can be synthesized by a phosphoamidite method using a DNA synthesizer. The enterotoxigenic E.coli in a specimen is detected by using a labeled nucl-eic acid probe produced by labeling the oligonucleotide with an alkaline phosphatase, etc., crossing the probe with DNA or RNA in the specimen and determining the presence of a crossed label.

GAAGAGTCAA GTGATTCAGT TGAC

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